

Notice of Allowability	Application No.	Applicant(s)
	09/336,031	CURTIS ET AL.
	Examiner Ella Colbert	Art Unit 3694

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. This communication is responsive to 21 September 2007.
2. The allowed claim(s) is/are 12-15, 18-30, 33-36, 39, 40 and 43-49.
3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All
 - b) Some*
 - c) None
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) hereto or 2) to Paper No./Mail Date _____.
 - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. Notice of References Cited (PTO-892)
2. Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. Notice of Informal Patent Application
6. Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. Examiner's Amendment/Comment
8. Examiner's Statement of Reasons for Allowance
9. Other _____.

DETAILED ACTION

1. Claims 12-15, 18-30, 33-36, 39, 40, and 43-49 are pending. Claims 12, 23-26, and 43-49 have been amended in this communication filed 9/21/07 entered as Response After Non-Final Action.
2. The Objections to drawing fig's 1 a, 1c, 3, 4, 8, 9, 12, 14, and 16 have been overcome by Applicants' amendments to the drawings and are hereby withdrawn.
3. The Objections to claims 23, 24, and 26 have been overcome by Applicants' amendments to claims 23, 24, and 26 and are hereby withdrawn.
4. The 35 USC 112, second paragraph rejections for claims 12, 23, 25, 26, and 43-49 are hereby withdrawn in view of Applicants' amendments which have overcome the rejections to claims 12, 23, 25, 26, and 43-49.

The following is an examiner's statement of reasons for allowance: The closest prior art of record is (US 5, 230,048) Moy. Moy discloses a symbol tree with stock market information with symbol list pointers but fails to disclose, Applicants' normalizing an input symbol to generate a normalized symbol with the normalized symbol being a standard form according to a predefined structure including normalizing by applying a set of character rules and a set of process rules to the input symbol to generate the normalized symbol and searching a master symbol database using the normalized symbol to find a matching master symbol and linked parent identifier in claims 12, 25, and 39; claims 23 and 26 normalize the input symbol to generate a normalized symbol with the normalized symbol being a standardized form according to a predetermined structure and searching a contributor database to find a predominant use segment if

the normalized symbol contains an unresolved segment; in claim 43 the normalizing the input symbol based on a historical pattern of a contributor of the information element; in claim 44 the normalizing the input symbol based on a preference of a contributor of the information element; in claim 45 the normalizing of the input symbol is based on a historical pattern of a submitter of the input symbol; in claim 46 the normalizing the input symbol is based on an identification of a contributor of the information element; in claim 47 the normalizing the input symbol is based on the identification of a submitter of the input symbol; in claim 48 the normalizing of the input symbol is based on the preference of a submitter of the input symbol; and in claim 49 the normalizing of the input symbol is based on a context of the input symbol in combination with the other claim limitations of claims 12, 23, 25, 26, 39, and 43-49.

The dependent claims 13-15, 18-22, 24, 27-30, 33-36, and 40 being further limiting to the independent claims, definite and fully enabled by the Specification are also allowable.

It appears that the instant invention is beyond the skill of one of ordinary skill in the art. Accordingly the invention would NOT have been obvious because one of ordinary skill could not have been expected to achieve it, NOR would they have been able to predict the results, and as such, they would have had no capability of expecting success.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Other Relevant Art of Record

Lee et al. (US 6,212,638) disclosed identification symbols and a subset of symbols such as numbers, letters, etc.

Eager et al (US 5,960,200) disclosed attributes, fields, and message characters (symbols) and input symbols in col. 15, lines 51-63.

Inquiries

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ella Colbert whose telephone number is 571-272-6741. The examiner can normally be reached on Monday, Wednesday, and Thursday, 5:30AM-3:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Trammell can be reached on 571-272-6712. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

December 10, 2007



ELLA COLBERT
PRIMARY EXAMINER